

**Amendments to the Specification:**

Please replace the paragraph beginning at page 1, line 29, with the following rewritten paragraph:

---

Description of ~~the Prior~~ Related Art

A1  
Digital communication receivers as set out above are widely used in modern communication systems. For instance, most modern systems for mobile or cellular telecommunication are based on digital communication, GSM and EDGE being two well-known examples. In a digital communication system, the digital communication receiver necessarily requires a considerable level of complexity in order to be able to handle signal distortion, such as multi-path propagation, and still be able to decode data transmitted from a digital communication transmitter. One pronounced problem is that the radio channel between the transmitter and the receiver is time-varying, the reason for this being either that the host communication device itself (the device in which the receiver is incorporated, such as a mobile telephone) is moving, or that external objects are moving (for instance cars or trains) and generate spurious reflections of the transmitted radio wave, which may reach the receiver. There is consequently a need for a receiver technology, which is able to adapt to the time-varying real-life environment.

---